I&S

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

SBRNO 40/22 2/18

1 RA Bill

Division: EE Byatrayanapura Div | Sub division: | Head of Account: AEE Byatrayanapura Div

Bill Received No. .....Date..... Cash Book Voucher No..... dated.....

Scheduled Docted No.

Name of Work (as per sanctioned estimate): **Package No 05(Consists of 09 works)**

Name of Contractor and Full Address: **M/s.Ram and Company Sri.C.R Girish No12,Patel Pillegowda layout,Ramchandrapura,Bangalore-560013**

Reference to Work order No. **BBMP/EE/BTP/WO/47/2017-18** date: 04-01-2018.

Certified that the measurement were taken by me on 05-02-18 and recorded of pages: 424416 To 424423

For M/s. RAM & COMPANY ..... of measurement Book No: 4245/17-18 and that the work is satisfactorily executed.

Partner

Contractor :

M.N.D AE(WT) 05/02/18

Officer-In-Charge of work

Certified that the measurements were taken by me on 4/2/18 are found correct and the work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Sub-Division Officer
Bangalore - 560 092

II Memorandum of Payment

1) Total value of work done or supplies made as per account within	Total Rs: 4555629-00
2) Deduct amount to be held in reserve being.....percent Rs.....	
3) Deduct amount to be held in Balance	
4) Deduct Payments:	
a) Amount of previous payment as in the office Cash Book Voucher No.....Dated .....S.D No.....	IT - 91113-00
Amount adjusted towards cash advance recovery of	Cess - 45556-00
b) Payments cost store or other materials supplied	CBF - 4556-00
Now made recovery of amount creditable to this/other work	LR - 69246-00
Amount paid on this bill Cheque/Cash	
5) Balance being unpaid value of work done held in reserve	
6) Deduct cash advance made on the Office Cash Book Voucher No..... dated..... less adjustments	Adjt. 210471-00
7) Net amount due to or from contractor	Cheque: 43,45,158-00
Unadjusted items	
8) Advance to contractor for materials brought to site (as detailed) with Value of Government materials supplied	For M/s. RAM & COMPANY

S.E. (W.T.)

Partner

Contractor's Signature

Received **Rs.**

by cash and by adjustment of Payment as per memorandum.

For M/s. RAM & COMPANY

Witnesses:

1

2

Partner

Dated..... Signature of Contractor

Stamp

(For use in the Office)

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 45,55,629-00.

ಗುತ್ತಿಗೆದಾರರು ಮಾಡಿದ ಇದರಲ್ಲಿ ರೂ 210471-00

ಹಿಂಪಡೆಯಬೇಕಾದ ಮುಂಗಡ ಮೊಬಲಗು ರೂ 4345158-00

ರೂ: Forty three Lakhs forty five thousand one hundred and fifty eight only

ಚೆಕ್ಕು/ಡಿಡಿ ಸಂಖ್ಯೆ

Paid by me by cheque No.....dated.....

Cast Rs.....dated.....

Initials of Officer making payment

Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE	
BYATARAYANAPURA DIVISION	
Package No 05(Consists of 09 works)	
1	**Improvements to Roads and drains at Amruthanagara, Verma Layout, Bhuvaneshwari Nagara and Surrounding Areas in ward No 07 - Byatarayanapura, Kodigehalli Sub Division.**

Bill No : 1st Part Bill

BOQ Sl.No	Description of work	Unit
1	KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum
2	Removing and Resetting of Footpath Slab with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm
3	Removing & Refixing Stone slabs of drains and Pointing in C.M(1:3) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
5	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
6	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
7	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
8	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
9	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**

BOQ Qnty	Rate	Previous bill		Present bill		Total claimed up to this bill	
		Qnty	Amount	Qnty	Amount	Qnty	Amount
7996.35	196.27			591.84	116159.4555	591.84	116159.46
613.85	139.13			0.00	0	0.00	0.00
6241.84	84.59			1763.61	149183.77	1763.61	149183.77
795.17	698.96			161.25	112707.3	161.25	112707.30
265.14	867.03			0.00	0	0.00	0.00
112.80	2352.88			0.00	0	0.00	0.00
464.26	5616.20			2.79	15669.20	2.79	15669.20
70.00	257.10			0.00	0.00	0.00	0.00
840.00	326.11			0.00	0.00	0.00	0.00

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10	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
11	Providing and laying cement concrete using 20mm and downsize granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cpost of steel and fabricaton charges) Ready Mixed Cement Concrete M 20 for Raft foundation, Column, Footing, main and secondary beams. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
12	Providing laying plain/ reinforced cement concrete M20 Grade for Box Drain walls of thickness 10cm to 20cm including centering shuttering for work etc. complete as per approved drawing and design MORTH specification No. 1500, 1700, 2200. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
13	KSRB - 4.9.2: Providing TMT steel reinforcement Fe500 for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**MT**
14	KSRB 5-11 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
15	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
16	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
17	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
18	Providing and fixing Ms gratings 260 mmx 260 mm for Shoulder Drains with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Each**

296.00	427.39			0.00	0	0.00	0.00
340.32	6543.33			0.00	0.00	0.00	0.00
92.26	11584.10			0.00	0.00	0.00	0.00
30.42	77375.76			0.00	0.00	0.00	0.00
304.00	1009.49			0.00	0.00	0.00	0.00
17.28	4660.13			4.46	20784- 20802.82	4.46	20784- 20802.82
28.80	107.96			7.44	803.22	7.44	803.22
80.07	6055.83			1.12	6783- 6758.31	1.12	6783-0 6758.31
60.00	93.45			0.00		0.00	0.00

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19	Providing and fixing M S Grating with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm
20	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm
21	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm
22	KSRRB M300- Scarifying Existing Granular Surface to a Depth of 50mm by Manual Means. KSRRB M300-52.1. Scarifying the existing granular road surface to a depth of 50mm and disposal of scarified material and complete as per specifications. MORTH Specification No. 305.4.3 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm
23	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum
24	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Cum
25	KSRRB M 500-6, Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular Base such as WBM WMM including clearing of road surface and spraying primer at the rate of 0.60 kglsqm using mechanical means complete as per specifications. As per MORTH specification clause No. 502 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm
26	KSRRB 500-2: Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatement including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Spec, Chapter 5 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm
27	KSRRB M500-7 : Providing and applying tack coat using 80/100 grade bitumen (VG10) on prepared black topped surfaces at 2.5 Kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH / Chapter 5 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	Sqm

1.76	6979.35			0.00		0.00	0.00
138.01	1907.85			0.00	0	0.00	0.00
46.80	5582.85			16.20	90442.17	16.20	90442.17
2402.00	48.36			1952.30	94413.23	1952.30	94413.23
2282.19 2282.20	156.20			129.75	20266.95	129.75	20266.95
2034.18	1856.48			729.79	1354841- 1354835.9	729.79	1354841- 1354835.90
7354.88	31.16			2919.15	90960.71	2919.15	90960.71
45011.12	3.34			1339.67	4474.5	1339.67	4474.50
59894.00	13.36			6739.94	90045.6	6739.94	90045.60

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28	thickness with 4.5% VG-30 Bitumen using 40/60 TPH capacity H.M.P, using crushed aggregates of grading II, premixed with VG 30 grade bituminous binder and transporting the hot mix to work site, laying with mechanical paver to the required grade level and alignment rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10, complete in all respects complete as per specification MORTH specification No. 507 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
29	KSRRB M500-19. Providing and laying bituminous concrete 30-40 mm compacted thickness with VG30 Bitumen grade using 40-60 HMP using crushed aggregates of grading II, premixed with bituminous binder at 5.4% of mix and filler, transporting the hot mix to work site, laying with a mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MoRT&H specification clause No. 500.9 complete in all respects as per specifications. MORTH Specification No. 509 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
30	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the	**Cum**
31	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
32	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including formwork, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**No.**
33	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
34	KSRRB M400-19: Construction of Median and island above road level with approved material deposited from borrowpits, spread, sloped and compacted as per Clause 400.7 complete as per specifications. MORTH Specification No.407 with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Cum**
35	KSRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of	**Sqm**

375.70	7388.09			115.47	853103 ~~853073.2~~	115.47	853103 ~~853073.20~~
2094.64	8414.28			170.46	1434298 ~~1434338.56~~	170.46	1434298 ~~1434338.56~~
284.00	6528.86				0	0.00	0.00
2165.00	100.17				0	0.00	0.00
700.00	348.37				0	0.00	0.00
110.25	66.78 ~~66.79~~				0	0.00	0.00
646.50	219.26					0.00	0.00
2913.15	1015.06					0.00	0.00

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36	KSRB 14.6-1: Providing and resetting of available heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm jOints, final compaction of paver surface joints into its final level, includingthick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between labour and HOM of machineries complete as per specifications with all lead and lift , loading and unloading and allother incidental charges etc.,	**Sqm**
37	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803. with all lead and lift , loading and unloading and allother incidental charges etc., complete as per specification and direction of the engineer-in-charge of the work	**Sqm**
	Add cost of Waste Plastic @ 8% of Bitumen Weight	**kg/cum**

	Certificate:	
1	Certified that the contractor has done the work satisfactorly	
2	Certified that the debris has been removed from the site	
3	Certified that the No dues from the contractor	
4	Certified that the above item of the work were not claimed in any other bill	

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Assistant Engineer

AE(civil)
05/02/18

Assistant Executive Engineer

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

161.85	447.43					0.00	0.00
1751.75	569.86			176.70	100694.26	176.70	100694.26
67314.24	27			1922.84	51916.76	1922.84	51916.76
	Grand Total				**4607545.91**	45,55629-	**4607545.91**

Rupees Forty Six lakhs Seven thousand Five Hundred and Forty Five Point Nine One

4555629-

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Assistant Executive Engineer,
Sub Division,
B.B.M.P.,
Yelahanka Zone,
Bangalore.